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NOTICE OF ALLOWANCE AND FEE(S) DUE

7812 7590 08/20/2009 SMITH-HILL AND BEDELL, P.C. 16100 NW CORNELL ROAD, SUITE 220 BEAVERTON. OR 97/006 EXAMINER

BREVAL, ELMITO

ART UNIT PAPER NUMBER

2889 DATE MAILED: 08/20/2009

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNIY DOCKET NO.
 CONTRIMATION NO.

 10/549,383
 09/15/2005
 Pertit Lintunen
 AWEK 3301
 5399

TITLE OF INVENTION: SPARK PLUG AND METHOD FOR PRODUCING IT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/20/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including d below or directed oth ions.	or transmitt ig the Pater ierwise in E	ting the ISSU it, advance of Block 1, by (a	JE FEE and PUBLICA rders and notification of a) specifying a new co	of m	ON FEE (if requir aintenance fees wi condence address;	red). B ill be i and/or	locks 1 through 5 st nailed to the current (b) indicating a sepa	tould be correspo rate "FE	completed where ndence address as E ADDRESS" for
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				[(Depositor's name)
				[(Signature)
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APPLICATION NO.	APPLICATION NO. FILING DATE			FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.			CONFIRMATION NO.	
10/549,383	09/15/2005			Pertti Lintunen				AWEK 3301		5399
TITLE OF INVENTION										
APPLN, TYPE	SMALL ENTITY	ISSUE	FEE DUE	PUBLICATION FEE DU	Æ			TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1	1510	\$300		\$0	\$1810			11/20/2009
EXAM	EXAMINER		UNIT	CLASS-SUBCLASS						
BREVAL,			889	445-007000						
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha //122) attached. cation (or "Fee Address 2 or more recent) attach ND RESIDENCE DATA ess an assignee is ident n in 37 CFR 3.11. Comp	nge of Corn ' Indication ed. Use of a	form Customer		ngle or ag attor be p type e par an a	3 registered patent ely, firm (having as a gent) and the name neys or agents. If n rinted.	members of up	er a 2	cument	has been filed for
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4a. The following fee(s) a Issue Fee Publication Fee (N Advance Order - #	o small entity discount p	ermitted)		b. Payment of Fee(s): (I A check is enclose Payment by credit The Director is her overpayment, to D	d. card	l. Form PTO-2038	is atta	ched. equired fee(s), any de	ficiency.	
	SMALL ENTITY state	s. See 37 C		☐ b. Applicant is no						
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if requeords of the United Sta	aired) will n tes Patent a	ot be accepte nd Trademark	d from anyone other that Office.	an th	e applicant; a regis	tered a	ttorney or agent; or th	e assigne	e or other party in
Authorized Signature						Date				
Typed or printed name						Registration No	D			
This collection of informan application. Confident submitting the completed this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu- irginia 22313-1450. DC 13-1450.	FR 1.311. T U.S.C. 122 USPTO. T den, should NOT SEN	The information and 37 CFR ime will vary be sent to the DFEES OR	on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS	or re esti- divi- ficer 5 TO	tain a benefit by th mated to take 12 n dual case. Any cor ; U.S. Patent and 1 THIS ADDRESS.	ne publinutes ninutes ninent: Fradem SENI	ic which is to file (and to complete, including s on the amount of tin ark Office, U.S. Depo O TO: Commissioner	by the U g gatheri ne you re urtment o for Paten	ISPTO to process) ng, preparing, and quire to complete f Commerce, P.O. ls, P.O. Box 1450,

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10/549,383	09/15/2005	Pertti Lintunen	AWEK 3301	5399		
7812 75	90 08/20/2009	EXAMINER				
SMITH-HILL A	ND BEDELL, P.C.	BREVAL, ELMITO				
	ELL ROAD, SUITE 22	ART UNIT	PAPER NUMBER			
BEAVERTON, OF	₹ 97006		2889			

DATE MAILED: 08/20/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 425 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 425 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/549 383 LINTUNEN ET AL. Notice of Allowability Examiner Art Unit ELMITO BREVAL 2889 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the amendment filed on 05/13/2009. 2. The allowed claim(s) is/are 14-17. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other . /Elmito Breval/

Examiner, Art Unit 2889

Application/Control Number: 10/549,383

Art Unit: 2889

DETAILED ACTION

Allowable Subject Matter

Claims 14-17 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding independent claims 14 and 17, the prior art of record fails to teach a method for producing a spark plug comprised of, in part, forming a blank comprising a surface part and an intermediate part, by joining the surface part to the intermediate part by means of explosion welding, wherein the part that is separated from the blank includes both a portion of the surface part and a portion of the intermediate part. Due to their dependency, claims 15 and 16 are necessarily allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ELMITO BREVAL whose telephone number is (571)270-3099. The examiner can normally be reached on M-F (8:30 AM-5:00 Pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Toan Ton can be reached on (571)-272-2303. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2889

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

August 3, 2009 /Elmito Breval/ Examiner, Art Unit 2889

/Joseph L. Williams/ Primary Examiner, Art Unit 2889